Google Summer of Code



Operating Systems Special

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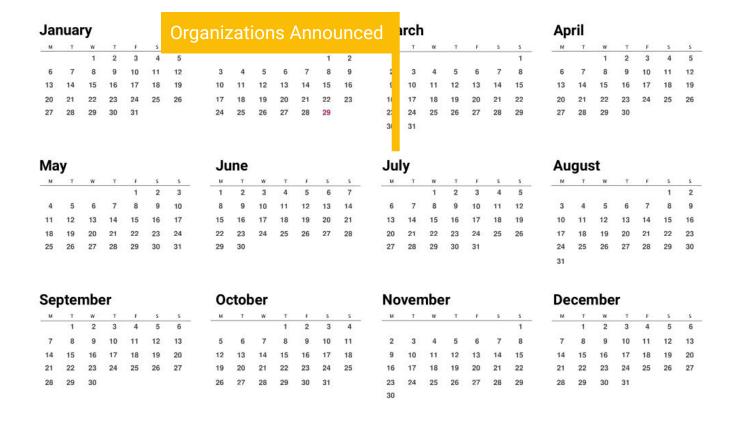
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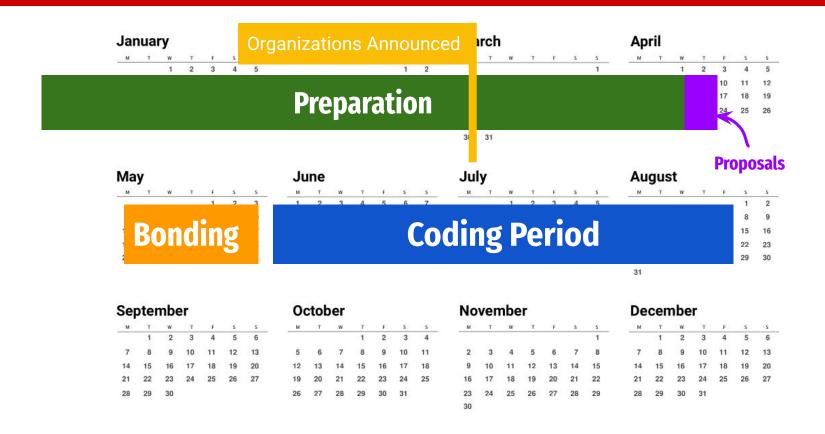
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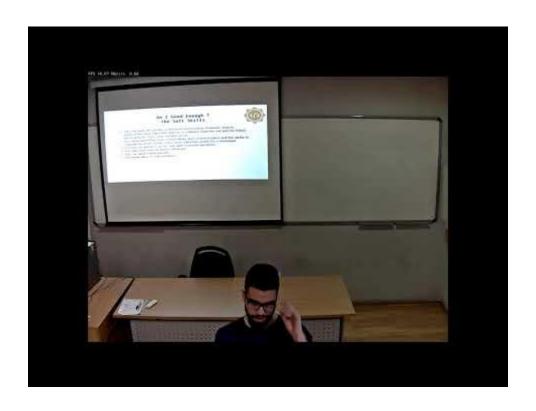








Last Year's Talk



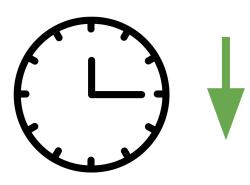




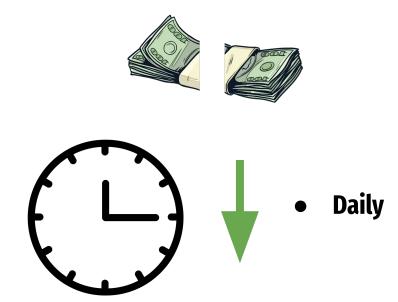






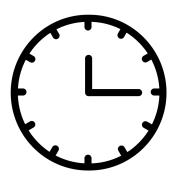








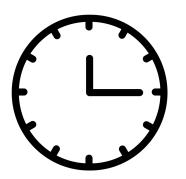














- Daily
- Overall



EXAMS! 1

Real-Time Executive for Multiprocessor Systems RTEMS

RTEMS 2020 Project Improving the Scheduler

- Basic scheduling knowledge
- C knowledge



The GNU Project



GNU Poke

• Low-level binary data interpretation



GNU Poke

- Low-level binary data interpretation
- You do that all semester:
 - Passing data over pipes



GNU Poke

- Low-level binary data interpretation
- You do that all semester:
 - Passing data over pipes
 - o exec() 'ing programs



GNU Poke - 2020 Project

Pipes and sockets



GNU Poke - 2020 Project

- Pipes and sockets
- Reading C code



GNU Poke - 2020 Project

- Pipes and sockets
- Reading C code
- Everything else learned



GNU XaoS

• Fractal Viewer / Zoomer



GNU XaoS - 2020 Project

- Fractal Viewer / Zoomer
- Manipulating files



GNU XaoS - 2020 Project

- Fractal Viewer / Zoomer
- Manipulating files
- Floating-Point work



Chapel



Chapel

Parallel Programming Language



Chapel -2020 Project

 Adding Sequential Data Structures



Chapel -2020 Project

- Adding Sequential Data Structures
- YOU can do that!



strace



strace -2020 project

processes stuff



strace - 2020 project

- processes stuff
- trie implementation



strace - 2020 project

- processes stuff
- trie implementation
- testing



Thanks to Mr. Alex Delis!



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